

IN THE CLAIMS:

1 1. (Currently Amended) A method of evaluating the risk of caries having such a
2 characteristic that saliva is collected from the mouth of subject, a given ratio of acid is added to
3 the saliva, and the chemical property of the saliva is measured to evaluate the risk of possible
4 caries [[base]] based on the measured value.

1 2. (Original) A method of evaluating the risk of caries having such a characteristic
2 that the saliva is collected from the mouth of the subject, the chemical property of the saliva is
3 measured using a chemical property measuring device, a given ratio of acid is added to the
4 saliva, and the chemical property of saliva is measured again to evaluate the risk of possible
5 caries based on the difference between the measured value of chemical property of saliva before
6 adding acid and that after adding acid.

1 3. (Currently Amended) The method of evaluating the risk of caries according to
2 claim 1[[or 2]], further comprising that acid is mixed in the saliva by determining the quantity of
3 the saliva to be collected and immersing an absorbing piece, which absorbs a given ratio of acid,
4 in the saliva.

1 4. (Original) A device of evaluating the risk of caries having such a characteristic
2 that it is composed of a container for storing the saliva collected from the mouth of the subject, a
3 sensor surface, which comes to contact with the saliva to measure the chemical property of the
4 saliva, and a computing part for evaluating the risk of possible caries based on the measured
5 value for the chemical property of the stored saliva after a given ratio of acid is dropped in the
6 saliva in the container.

1 5. (Currently Amended) A device of evaluating the risk of caries having such a
2 characteristic that it is composed of a container for storing the saliva collected from the mouth
3 of the subject, a sensor surface, which comes in contact with the saliva to measure the chemical
4 property of the saliva, and a computing part for evaluating the risk of possible caries based on the
5 difference between the measured value for the chemical property of the stored saliva
6 immediately after the collection and that after a given ratio of acid is dropped in.

1 6. (Currently Amended) The device of evaluating the risk of caries according to
2 claim 4[[or 5]], further comprising that the computing part has a table for storing the
3 relationship, which derives the grade of the risk of possible caries from the two measured values
4 [[got]] obtained before and after adding acid to the saliva or the measured value [[got]] obtained
5 after adding acid in the saliva, between the measured ~~value(s)~~ value of chemical property of the
6 saliva and the grade.

1 7. (Currently Amended) A system of evaluating the risk of caries having such a
2 characteristic that it is composed of a measuring device for measuring the chemical property of
3 the saliva collected from the mouth of the subject, a server having a database storing evaluation
4 criterion data used in evaluating the risk of possible caries based on the measured value for the
5 chemical property of the saliva to possess a risk evaluation function for evaluating the risk of
6 possible caries for the subject using the measured value for the chemical property measured by
7 the measuring device, a terminal having at least [[a]] an evaluation output function for outputting
8 the result of the evaluation of the risk of the possible caries, and a network for performing at
9 least one of data inputs/outputs among the measuring device, the server, and the terminal.

1 8. (Original) The system of evaluating the risk of caries according to claim 7,
2 further comprising that the database contains electronic medical chart recording dental condition
3 transition data composed of the measured value for the chemical property of the saliva of the
4 subject.

1 9. (Currently Amended) The system of evaluating the risk of caries according to
2 claim 8, further comprising that the server has ~~[[a]]~~ an electronic medical chart browsing
3 function for browsing the dental condition transition data of the subject recorded on the medical
4 chart by using the terminal.

1 10. (Currently Amended) The system of evaluating the risk of caries according to
2 claim 8~~[[or 9]]~~, further comprising that the electronic medical chart contains the history data of
3 medical treatment of the subject teeth as dental condition transition data and the server has an
4 evaluation criterion create/update function for creating or changing the evaluation criterion data
5 by taking the statistic on the measured value data and the history data recorded on a plurality of
6 electronic medical charts.

1 11. (Currently Amended) The system of evaluating the risk of caries according to
2 either of claim~~[[s]]~~ 8 ~~through 10~~ wherein it is composed of a terminal having an individual
3 evaluation criterion input function for browsing the dental condition transition data recorded on
4 the electronic medical chart to create or modify the individual evaluation criterion data refined
5 for each subject.

1 12. (Currently Amended) The system of evaluating the risk of caries according to
2 either of claim[[s]] 7 through ~~11~~ wherein the database contains the treatment guideline data
3 giving the guideline for treatment in accordance with the evaluation criteria.

1 13. (Original) The system of evaluating the risk of caries according to claim 12,
2 further comprising that the server has a treatment recommendation distribution function for
3 distributing appropriate treatment to the individual subjects in accordance with the grade of
4 evaluation of the risk of possible caries via any of electronic communication means such as
5 e-mail.

1 14. (Currently Amended) The system of evaluating the risk of caries according to
2 claim 12~~or 13~~, further comprising that the treatment guideline data contains the subject
3 treatment guideline data for the subjects and the dentist treatment guideline for the dentists.

1 15. (Currently Amended) The system of evaluating the risk of caries according to
2 either of claim[[s]] 7 through ~~14~~ wherein the database contains a mouth condition medicine list.

1 16. (Currently Amended) The system of evaluating the risk of caries according to
2 either of claim[[s]] 7 through ~~15~~ wherein the server has an inspection reservation function for
3 accepting the evaluation of the risk of possible caries by assigning the right of use of the
4 measuring device to the individual subjects when accessed by the subjects via their terminals via
5 the network.

1 17. (Currently Amended) The system of evaluating the risk of caries according to
2 either of claim[[s]] 7 through ~~16~~ wherein the server has an evaluation distribution function for

3 distributing grades of evaluation of the risk of possible caries to the subjects via any of electronic
4 communication means such as e-mail.

1 18. (Currently Amended) The system of evaluating the risk of caries according to
2 either of claim[[s]] 7 ~~through 17~~ wherein the server contains a dentist list.

1 19. (Original) The system of evaluating the risk of caries according to claim 18,
2 further comprising that the server has a treatment reservation function for reserving the treatment
3 by the dentist, who is included in the dentist list, by accessing from the subject's terminal via the
4 network.

1 20. (Currently Amended) The system of evaluating the risk of caries according to
2 either of claim[[s]] 7 ~~through 19~~ wherein the server has a regular inspection recommendation
3 function for distributing the recommendation of regular inspection to the subjects depending on
4 their grades of evaluation of the risk of possible caries via any of electronic communication
5 means such as e-mail.

1 21. (Original) A program of evaluating the risk of caries having such a characteristic
2 that it involves a step for obtaining the measured value for the chemical property of the saliva
3 collected from the mouth of the subject, a step for referring to the evaluation criterion data in
4 evaluating the risk of possible caries based on the measured value for the chemical property
5 contained in the database, and a step for outputting the obtained measured value for the chemical
6 property in the form of the grade of evaluation of the risk of possible caries based on the
7 evaluation criterion data, and that these steps are performed by a computer.

1 22. (Original) The program of evaluating the risk of caries according to claim 21,
2 further comprising that it involves a step for storing the dental condition transition data of the
3 subject containing the measured value for the chemical property in the database as an electronic
4 medical chart, and that this step is performed by a computer.

1 23. (Original) A method of evaluating the risk of caries having such a characteristic
2 that it measures the chemical property of the saliva collected from the mouth of the subject and
3 outputs the measured value for chemical property in the form of the grade of evaluation of the
4 risk of possible caries of the subject by referring to the database recording the evaluation
5 criterion data for evaluating the risk of possible caries in accordance with the measured value,
6 creates an electronic medical chart recording the dental condition transition data containing the
7 measured value for the chemical property of the subject's saliva, and performs at least one of
8 input of the measured value for the chemical property, reference to the database, and output of
9 the grade of evaluation of the risk of possible caries through data communications via a network.